Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/26/2019 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123281	-2	2.17	123353	2.17
Blue	F	SSC	125000	124892	-1	1.96	125683	1.89
Blue	E	FITC	16433	16220	-2	2.74	353	20.02
Blue	D	PE	27595	27263	-2	1.95	596	14.83
Blue	B	PerCP-Cy5-5	43183	42669	-2	3.62	1151	19.40
Blue	A	PE-Cy7	31943	31555	-2	6.05	607	39.71
Red	C	APC	42819	42066	-2	2.43	1490	12.33
Red	A	APC-Cy7	31261	30456	-3	2.34	806	11.61
Violet	B	V450	6527	6353	-3	4.04	355	13.26
Violet	A	V500	24533	23786	-4	3.80	554	10.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17625	9.71	612	12	N/A	N/A	Pass
Blue	F	SSC	56777	1.30	555	7	N/A	N/A	Pass
Blue	E	FITC	65	60.65	541	2	0.0193	66	Pass
Blue	D	PE	123	50.02	537	3	0.1571	259	Pass
Blue	B	PerCP-Cy5-5	211	48.03	646	4	0.0101	72	Pass
Blue	A	PE-Cy7	113	99.49	693	4	0.0116	20	Pass
Red	C	APC	355	25.37	579	-4	0.0231	107	Pass
Red	A	APC-Cy7	178	28.66	559	-4	0.0061	1368	Pass
Violet	B	V450	54	59.82	451	-4	0.0490	1990	Pass
Violet	A	V500	83	32.38	462	-5	0.0232	638	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.49	-31.88	0.96
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	16.96	13.60 - 20.40	N/A	N/A	29.40	29.98	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10118

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments